

## § 29.75

### § 29.75 Visual indicator device.

Each detector shall be equipped with a device capable of giving a visual indication of the operative condition of the battery and the electrical circuitry employed in the detector.

### § 29.76 Testing requirements.

(a) Continuous duty, warning light, portable methane detectors shall be tested to ensure that they meet the minimum construction and performance requirements set forth in §§ 29.51, 29.52, 29.70, 29.71, 29.73, 29.74, and 29.75.

(b) Accessory quantitative meters shall be tested at several percentages within the limits of error specified in Table C, and at temperatures ranging from 50° and 70° F., with 5° increments. Ten tests shall be made at each percentage selected, and neither the average of the 10 tests, nor more than two tests for each percentage, shall exceed the limits of error specified in Table C.

(c) In order to determine the reliability and utility of the detector, personnel of MSHA shall field test the instrument for 1 month in various underground coal mines, in accordance with the applicant's operating and maintenance instructions.

(d) MSHA may conduct any additional field testing it deems necessary.

TABLE C—MAXIMUM AND MINIMUM LIMITS OF ERROR FOR ACCESSORY QUANTITATIVE METERS INSTALLED ON CONTINUOUS DUTY, WARNING LIGHT, PORTABLE METHANE DETECTORS

| Percent methane | Minimum limit of error—percent of methane | Maximum limit of error—percent methane |
|-----------------|---|--|
| 0.25            | 0.10                                      | 0.40                                   |
| 0.50            | 0.35                                      | 0.65                                   |
| 1.00            | 0.80                                      | 1.20                                   |
| 2.00            | 1.80                                      | 2.20                                   |
| 3.00            | 2.70                                      | 3.30                                   |
| 4.00            | 3.70                                      | 4.30                                   |

## PART 33—DUST COLLECTORS FOR USE IN CONNECTION WITH ROCK DRILLING IN COAL MINES

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AUTHORITY: 30 U.S.C. 957, 961.

SOURCE: Schedule 25B, 25 FR 6473, July 9, 1960, unless otherwise noted.

### Subpart A—General Provisions

#### § 33.1 Purpose.

The regulations in this part set forth the requirements for dust collectors used in connection with rock drilling in coal mines to procure their certification as permissible for use in coal mines; procedures for applying for such certification; and fees.

#### § 33.2 Definitions.

As used in this part:

(a) *Permissible*, as applied to a dust collector, means that it conforms to the requirements of this part, and that a certificate of approval to that effect has been issued.

(b) *Bureau* means the United States Bureau of Mines.

(c) *Certificate of approval* means a formal document issued by MSHA stating